

C01039-70042 (HCL-JAV).txt  
SEQUENCE LISTING

<110> Krieg, Arthur M.  
Klinman, Dennis  
Steinberg, Alfred D.

<120> Methods for Treating and Preventing  
Infectious Disease

<130> C01039/70042(HCL/JAV)

<150> US 08/960,774  
<151> 1997-10-30

<150> US 08/738,652  
<151> 1996-10-30

<150> US 08/386,063  
<151> 1995-02-07

<150> US 08/276,358  
<151> 1994-07-15

<160> 124

<170> FastSEQ for windows Version 3.0

<210> 1  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 1  
atggaaggct cagcgttctc 20

<210> 2  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 2  
atcgacctac gtgcgttctc 20

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 3  
tccataacgt tcctgatgct 20

<210> 4  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>

C01039-70042 (HCL-JAV).txt

<223> Synthetic Oligonucleotide

<400> 4  
gctagatggt agcgt 15

<210> 5  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 5  
gagaacgtcg accttcgat 19

<210> 6  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 6  
gcatgacgtt gagct 15

<210> 7  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 7  
tccatgacgt tcctgatgct 20

<210> 8  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 8  
tccatgagct tcctgagctt 20

<210> 9  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 9  
tccaagacgt tcctgatgct 20

<210> 10  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>

```

                                C01039-70042 (HCL-JAV).txt
<223> Synthetic Oligonucleotide
<400> 10
tccatgacgt tcctgacgtt                                20
<210> 11
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> synthetic oligonucleotide
<400> 11
tccatgagct tcctgagtgc t                                21
<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> synthetic oligonucleotide
<400> 12
ggggccaacg ttgagggggg                                20
<210> 13
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Oligonucleotide
<221> modified_base
<222> (7)...(7)
<223> msc
<400> 13
gctagangtt agcgt                                    15
<210> 14
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Oligonucleotide
<221> modified_base
<222> (13)...(13)
<223> msc
<400> 14
gctagacgtt agngt                                    15
<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic oligonucleotide
<400> 15

```

C01039-70042 (HCL-JAV).txt

atcgactctc gagcgttctc	20
<210> 16	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<221> modified_base	
<222> (3)...(3)	
<223> m5c	
<221> modified_base	
<222> (10)...(10)	
<223> m5c	
<221> modified_base	
<222> (14)...(14)	
<223> m5c	
<400> 16	
atngactctn gagggttctc	20
<210> 17	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<221> modified_base	
<222> (3)...(3)	
<223> m5c	
<400> 17	
atngactctc gagcgttctc	20
<210> 18	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<221> modified_base	
<222> (18)...(18)	
<223> m5c	
<400> 18	
atcgactctc gagcgttctc	20
<210> 19	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 19	
atggaaggtc caacgttctc	20

C01039-70042 (HCL-JAV).txt

```

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 20
gagaacgctg gaccttccat                                20

<210> 21
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 21
gagaacgctc gaccttccat                                20

<210> 22
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 22
gagaacgctc gaccttcgat                                20

<210> 23
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 23
gagcaagctg gaccttccat                                20

<210> 24
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<221> modified_base
<222> (6)...(6)
<223> mSc

<400> 24
gagaangctg gaccttccat                                20

<210> 25
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

```

## C01039-70042 (HCL-JAV).txt

```

<221> modified_base
<222> (14)...(14)
<223> m5c

<400> 25
gagaacgctg gacnttccat                                20

<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 26
gagaacgatg gaccttccat                                20

<210> 27
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 27
gagaacgctc cagcactgat                                20

<210> 28
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 28
tccatgctgg tcctgatgct                                20

<210> 29
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 29
tccatgctgg tcctgatgct                                20

<210> 30
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<221> modified_base
<222> (8)...(8)
<223> m5c

<400> 30
tccatgtngg tcctgatgct                                20

```

## C01039-70042 (HCL-JAV).txt

```

<210> 31
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<221> modified_base
<222> (12)...(12)
<223> m5c

<400> 31
tccatgtcgg tncctgatgct                                20

<210> 32
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 32
tccatgtcgg tcctgctgat                                20

<210> 33
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 33
tccatgcccgg tcctgatgct                                20

<210> 34
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 34
tccatggcgg tcctgatgct                                20

<210> 35
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 35
tccatgacgg tcctgatgct                                20

<210> 36
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

```

```

                                C01039-70042 (HCL-JAV).txt
<223> Synthetic Oligonucleotide
<400> 36
tccatgtcga tcctgatgct                                20
<210> 37
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Oligonucleotide
<400> 37
tccatgtcgc tcctgatgct                                20
<210> 38
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic oligonucleotide
<400> 38
tccatgtcgt tcctgatgct                                20
<210> 39
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic oligonucleotide
<400> 39
tccatgacgt ccctgatgct                                20
<210> 40
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> synthetic oligonucleotide
<400> 40
tccatcacgt gcttgatgct                                20
<210> 41
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> synthetic Oligonucleotide
<400> 41
ggggtcagtc ttgagggggg                                20
<210> 42
<211> 15
<212> DNA
<213> Artificial Sequence
<220>

```



C01039-70042 (HCL-JAV).txt

<223> Synthetic Oligonucleotide

<400> 42  
gctagacgtt agtgt 15

<210> 43  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<221> modified\_base  
<222> (8)...(8)  
<223> m5c

<400> 43  
gctagacntt agtgt 15

<210> 44  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<221> modified\_base  
<222> (8)...(8)  
<223> m5c

<400> 44  
tccatgtngt tcctgatgct 20

<210> 45  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 45  
tctcccagcg tgcgccat 18

<210> 46  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 46  
tcgtcgtttt gtcgttttgc cgtt 24

<210> 47  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 47

C01039-70042 (HCL-JAV).txt

tcgtcgttgt cgttgtcggt	20
<210> 48	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 48	
tggtcgttgt cgttgtcggt t	21
<210> 49	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 49	
tcgtcgttgt cgtttgtcg tt	22
<210> 50	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 50	
tggtcgttgtc gttgtcggt	19
<210> 51	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 51	
tcgtcgtcggt cggt	14
<210> 52	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 52	
tcctgtcggt cctgtcggt	20
<210> 53	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 53	

C01039-70042 (HCL-JAV).txt

tctgtcggtt ttttgcgtt	20
<210> 34	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 34	
tcgtcgctgt ctgcccttct t	21
<210> 55	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 55	
tcgtcgctgt tgtcgcttct t	21
<210> 56	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 56	
gcgtgcgttg tcgttgcgt t	21
<210> 57	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 57	
gtcggt	6
<210> 58	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 58	
gtcgct	6
<210> 59	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Oligonucleotide	
<400> 59	

C01039-70042 (HCL-JAV).txt

accatggacg atctgtttcc cctc 24

<210> 60  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 60  
 taccgctgc gacctct 18

<210> 61  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 61  
 accatggacg aactgtttcc cctc 24

<210> 62  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 62  
 accatggacg agctgtttcc cctc 24

<210> 63  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 63  
 accatggacg acctgtttcc cctc 24

<210> 64  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 64  
 accatggacg tactgtttcc cctc 24

<210> 65  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 65

C01039-70042 (HCL-JAV).txt

accatggacg gtcgtgttcc cctc 24

<210> 66  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 66  
 accatggacg ttcgtgttcc cctc 24

<210> 67  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 67  
 cacgttgagg ggcac 15

<210> 68  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 68  
 ctgctgagac tggag 15

<210> 69  
 <211> 12  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 69  
 tcagcgtgcg cc 12

<210> 70  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 70  
 atgacgttcc tgacgtt 17

<210> 71  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 71

C01039-70042 (HCL-JAV).txt

tctcccagcg ggcgcac 17

<210> 72  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Synthetic Oligonucleotide  
 <400> 72

tctcccagcg cgcgccat 18

<210> 73  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Synthetic Oligonucleotide  
 <400> 73

tccatgctgt tcctgtcgtt 20

<210> 74  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Synthetic Oligonucleotide  
 <400> 74

tccatagcgt tccatgcgtt 20

<210> 75  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Synthetic Oligonucleotide  
 <400> 75

tcgtcgtgt ctcgcttct t 21

<210> 76  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Synthetic Oligonucleotide  
 <400> 76

tctgacggt cctgacgtt 19

<210> 77  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Synthetic Oligonucleotide  
 <400> 77

C01039-70042 (HCL-JAV).txt

```

tcctgctggt cctgctggt      19
  <210> 78
  <211> 20
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Synthetic Oligonucleotide
  <400> 78
tccatgctgt tttgtcgtt      20
  <210> 79
  <211> 20
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Synthetic Oligonucleotide
  <400> 79
tccaggactt ccttcaggt      20
  <210> 80
  <211> 20
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Synthetic Oligonucleotide
  <400> 80
tccatgctgt cgtgcgttt      20
  <210> 81
  <211> 20
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Synthetic Oligonucleotide
  <400> 81
tccatgcgtt gcgttcggt      20
  <210> 82
  <211> 20
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Synthetic Oligonucleotide
  <400> 82
tccacgacgt tticgacgt      20
  <210> 83
  <211> 20
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Synthetic Oligonucleotide
  <400> 83

```

C01039-70042 (HCL-JAV).txt

```

gcggcgggcg gcgcgcgcc      20
    <210> 84
    <211> 25
    <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Synthetic Oligonucleotide
    <400> 84
tgtcgtgtgc gttgctgtg tcgtt      25
    <210> 85
    <211> 13
    <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Synthetic Oligonucleotide
    <400> 85
tgtcgtgtgc gtt      13
    <210> 86
    <211> 20
    <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Synthetic Oligonucleotide
    <400> 86
tccacgacgt ttctgacgt      20
    <210> 87
    <211> 20
    <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Synthetic Oligonucleotide
    <400> 87
tccatgacga tcctgatgct      20
    <210> 88
    <211> 20
    <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Synthetic Oligonucleotide
    <400> 88
tccatgacgc tcctgatgct      20
    <210> 89
    <211> 15
    <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Synthetic Oligonucleotide
    <400> 89

```



CO1039-70042 (HCL-JAV).txt

```

gctagacgtt agcgt      15
  <210> 90
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 90
tcaacgtt      8
  <210> 91
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 91
tcaagctt      8
  <210> 92
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 92
tcagcgct      8
  <210> 93
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 93
tcatcgat      8
  <210> 94
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 94
tcttcgaa      8
  <210> 95
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 95

```

C01039-70042 (MCL-JAV).txt

```

ccaacggt      8
  <210> 96
  <211> 8
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 96
tcaacgct      8
  <210> 97
  <211> 20
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 97
tccaggactt tccctcaggt      20
  <210> 98
  <211> 20
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 98
ttcaggactt tccctcaggt      20
  <210> 99
  <211> 20
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 99
ggcggtattc ctgactcgcc      20
  <210> 100
  <211> 22
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 100
cctacgttgt atgcgccag ct      22
  <210> 101
  <211> 7
  <212> DNA
  <213> Artificial Sequence

  <220>
  <223> Synthetic Oligonucleotide

  <400> 101

```

		C01039-70042 (HCL-JAV).txt	
tgtcgct			7
	<210>	102	
	<211>	7	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Synthetic Oligonucleotide	
	<400>	102	
tgtcggt			7
	<210>	103	
	<211>	7	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Synthetic Oligonucleotide	
	<400>	103	
tgacgtc			7
	<210>	104	
	<211>	8	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Synthetic Oligonucleotide	
	<400>	104	
tgacgtca			8
	<210>	105	
	<211>	6	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Synthetic Oligonucleotide	
	<400>	105	
aacgtt			6
	<210>	106	
	<211>	7	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Synthetic Oligonucleotide	
	<400>	106	
caacgtt			7
	<210>	107	
	<211>	8	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Synthetic Oligonucleotide	
	<400>	107	

CO1039-70042 (HCL-JAV).txt

caacgtct	8
<210> 108	
<211> 7	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic oligonucleotide	
<400> 108	
tgacgtt	7
<210> 109	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic oligonucleotide	
<400> 109	
gccggt	6
<210> 110	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic oligonucleotide	
<400> 110	
gacggt	6
<210> 111	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic oligonucleotide	
<400> 111	
gacgtc	6
<210> 112	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic oligonucleotide	
<400> 112	
cacgtg	6
<210> 113	
<211> 7	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic oligonucleotide	
<400> 113	

C01039-70042 (HCL-JAV).txt

cgacgtt 7

<210> 114  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 114  
 atggaaggtc cagtgttctc 20

<210> 115  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 115  
 atggactctc cagcgttctc 20

<210> 116  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<221> modified\_base  
 <222> (14)...(14)  
 <223> m5c

<400> 116  
 atcgactctc gagngttctc 20

<210> 117  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<221> modified\_base  
 <222> (7)...(7)  
 <223> m5c

<400> 117  
 gctagangtt agtgt 15

<210> 118  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Oligonucleotide

<400> 118  
 catttcacg atttccca 18

<210> 119

C01039-70042 (HCL-JAV).txt

```

<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 119
tcgtcgctgt ctgcccttct t 21

<210> 120
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 120
tcgtcgctgt tgcgtttct t 21

<210> 121
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 121
tccttgctgt tcctgtcgtt 20

<210> 122
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<221> modified_base
<222> (8)...(8)
<223> m5c

<221> modified_base
<222> (17)...(17)
<223> m5c

<400> 122
tccatgtngt tccgtngtt 20

<210> 123
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 123
tcgtcgtttt gtcgttttgt cgt 23

<210> 124
<211> 20
<212> DNA
<213> Artificial Sequence

```

C01039-70042 (HCL-JAV).txt

<220>

<223> Synthetic Oligonucleotide

<400> 124

atggaggctc catcgttctc

20